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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Jorge E. Lopez de Cardenas § Group Art Unit: 3672  
Serial No.: 10/727,870 § Examiner: Collins, Giovanna M.  
Filed: December 4, 2003 § Atty. Docket: 68.0425  
For: Real Time Optimization of Well Production  
Without Creating Undue Risk of Formation Instability

**CERTIFICATE OF MAILING**  
**37 C.F.R. 1.8**

## **REPLY AND AMENDMENT**

Dear Sir:

In response to the Office Action mailed September 22, 2005, Applicants submit the following:

Amendments to the claims are reflected in the listing of claims that begins on page 2 of this paper.